

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CITY OF BATON ROUGE -- EAST BATON ROUGE PARISH
EAST BATON ROUGE PARISH RENEWABLE ENERGY CENTER
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed part 70 air operating permit renewal for the City of Baton Rouge - East Baton Rouge Parish, P.O. Box 1471 Baton Rouge, Louisiana 70821 for the East Baton Rouge Parish Renewable Energy Center. **The facility is located at the foot of Thomas Road, West of U.S. Highway 61, East Baton Rouge Parish.**

The City of Baton Rouge - East Baton Rouge Parish requested a renewal of the part 70 air operating permit. The EBR Parish Renewable Energy Center was the primary City-Parish municipal solid waste landfill for 53 years. The landfill began operation in 1940 and was closed in 1993. The landfill currently operates under Permit No. 0840-00174-V2, issued November 16, 2004.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	5.82	5.82	-
SO ₂	4.16	4.16	-
NO _x	8.31	8.31	-
CO	28.85	28.85	-
VOC	9.20	9.20	-

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Wednesday, December 31, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed permit, worksheet for technical review and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the East Baton Rouge Parish Library-Delmont Gardens Branch, 3351 Lorraine Street, Baton Rouge, LA 70805.

Inquiries or requests for additional information regarding this permit action should be directed to Shane Clary, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3069.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listscrvpage/ldcq_pn_listserv.htm.

All correspondence should specify AI Number 4407, Permit Number 0840-00174-V3, and Activity Number PER20080001.

Scheduled for publication: Friday, November 28, 2008



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001
Agency Interest No. 4407

Dale Campau, Ph.D.
Environmental Coordinator
4445 Plank Rd
Baton Rouge, LA 70805

RE: Part 70 Operating Permit, EBR Parish Renewable Energy Center,
City of Baton Rouge - Parish of East Baton Rouge, Baton Rouge, East Baton Rouge Parish,
Louisiana

Dear Dr. Campau:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 0840-00174-V3

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:bsc
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

EBR Parish Renewable Energy Center
Agency Interest No.: 4407
City of Baton Rouge - Parish of East Baton Rouge
Baton Rouge, East Baton Rouge Parish, Louisiana

I. Background

The EBR Parish Renewable Energy Center was the primary City-Parish municipal solid waste landfill for 53 years. The landfill began operation in 1940 and was closed in 1993. All waste in the landfill is now permanently covered with a soil cap and a robust vegetative cover. The EBR Parish Renewable Energy Center currently operates under Permit No. 0840-00174-V2, issued November 16, 2004.

This is the Part 70 operating permit renewal for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted on May 12, 2008, requesting a Part 70 operating permit renewal. Additional information dated September 29, 2008 was also received.

III. Description

The EBR Parish Renewable Energy Center (REC) encompasses 118 acres on a 160-acre site in the northern part of East Baton Rouge Parish at the foot of Thomas Road, west of U.S. Highway 61. The landfill received approximately 9.75 million tons of solid waste during its 53-year operating lifetime. The landfill rises to an elevation of approximately 100 feet, with a refuse depth of approximately 125 feet.

All waste in the landfill has been permanently covered with a soil cap and a robust vegetative cover. However, microorganisms within the landfill produce, via anaerobic digestion, landfill gas (LFG) consisting mainly of methane and carbon dioxide, with trace (< 1%) amounts of other air pollutants. To capture this gas, REC installed a landfill gas collection and control system. The estimated landfill gas collection efficiency is 75 percent, with the balance of 25 percent escaping from the landfill surface and LFG collection system as fugitive emissions.

After the landfill gas has been captured, the condensate is removed and sent to a leachate collection and treatment system. The dewatered gas is then delivered to an offsite customer, via pipeline, for use as fuel for a boiler, or flared. The flare has an overall destruction efficiency greater than or equal to 98 percent.

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Baton Rouge, East Baton Rouge Parish, Louisiana

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	5.82	5.82	-
SO ₂	4.16	4.16	-
NO _x	8.31	8.31	-
CO	28.85	28.85	-
VOC	9.20	9.20	-

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Carbon Disulfide	0.013	0.013	-
Carbon Tetrachloride	< 0.001	< 0.001	-
Carbonyl Sulfide	0.009	0.009	-
Chlorobenzene	0.008	0.008	-
Chloroethane	0.024	0.024	-
Chloroform	0.001	0.001	-
1,4-Dichlorobenzene	0.009	0.009	-
Ethylbenzene	0.145	0.145	-
n-Hexane	0.168	0.168	-
Methyl Chloride	0.018	0.018	-
Methyl Ethyl Ketone	0.152	0.152	-
Methyl Isobutyl Ketone	0.056	0.056	-
Toluene	4.515	4.515	-
Trichloroethylene	0.110	0.110	-
Vinyl Chloride	0.136	0.136	-
Vinylidene Chloride	0.006	0.006	-
1,1,1-Trichloroethane	0.019	0.019	-
1,1,2,2-Tetrachloroethane	0.056	0.056	-
1,1,2-Trichloroethane	0.004	0.004	-
1,1-Dichloroethane	0.069	0.069	-
1,2-Dibromoethane	< 0.001	< 0.001	-
1,2-Dichloroethane	0.012	0.012	-
1,2-Dichloropropane	0.006	0.006	-
Acrylonitrile	0.100	0.100	-
Benzene	0.257	0.257	-

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EBR Parish Renewable Energy Center
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Baton Rouge, East Baton Rouge Parish, Louisiana

Dichloromethane	0.361	0.361	-
Tetrachloroethylene	0.184	0.184	-
Xylene	0.382	0.382	-
Total	6.820	6.820	-

Non-VOC TAP Emissions (TPY):

Pollutant	Before	After	Change
Ammonia	4.763	4.763	-
Hydrochloric Acid	4.027	4.027	-
Hydrogen Sulfide	0.359	0.359	-
Mercury & Compounds	< 0.001	< 0.001	-
Total	9.149	9.149	-

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION**

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**EBR Parish Renewable Energy Center
Agency Interest No.: 4407
City of Baton Rouge - Parish of East Baton Rouge
Baton Rouge, East Baton Rouge Parish, Louisiana**

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Citation
-	One (1) 500 gallon Diesel Storage Tank	LAC 33:III.501.B.5.A.3
-	One (1) 55 gallon Lube Oil Storage Tank	LAC 33:III.501.B.5.A.2

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter												
		5 [▲]	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2123
UNF1	EBR Renewable Energy Center	1		1								1		
FUG 1	LFG Fugitives					1								
EQT 1	LFG Flare				1	1	3					1		
EQT 2	LFG Refrigeration Unit													

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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X: Table 1. Applicable Louisiana and Federal Air Quality Requirements																					
ID No.:	Description	40 CFR 60 NSPS										40 CFR 61				40 CFR 63 NESHAP				40 CFR	
		A	K	Cc	Kb	Db	Dc	GG	WW/W	III	A	M	V	A	HH	SS	V	AAAA	64	82	
UNF1	EBR Renewable Energy Center	1		1					1		1			1							
FUG 1	LFG Fugitives			1														1			
EQT 1	LFG Flare			1										1				1	3		
EQT 2	LFG Refrigeration Unit																			1	

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EBR Renewable Energy Center	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III Ch.51]	DOES NOT APPLY. The landfill is not a major source of TAPs [LAC 33:III.5101].
	Prevention of Air Pollution Emergency Episodes [LAC 33:III Ch.56]	DOES NOT APPLY. The landfill is not a source regulated under this chapter.
EQT 1 Flare	Emission Standards for Sulfur Dioxide [LAC 33:III Ch.15]	DOES NOT APPLY. The source emits less than 5 TPY SO ₂ .
	Waste Gas Disposal [LAC 33:III.2115]	The landfill is closed and does not emit more than 100 TPY VOC [LAC 33:III.2115 H.1.a]. Recordkeeping and reporting requirements apply [LAC 33:III.2115 K.4].
	Compliance Assurance Monitoring [40 CFR 64]	DOES NOT APPLY. The landfill is not a major emission source.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements; certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 15, 2008, along with supplemental information dated September 29, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT

GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

J
**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 4407 EBR Parish Renewable Energy Center
 Activity Number: PER20080001
 Permit Number: 0840-00174-V3
 Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0840-00174	EBR Parish Renewable Energy Center	CDS Number	08-24-1998
	LAD985198761	Devils Swamp Landfill	Hazardous Waste Notification	02-26-1990
	00282	Ewell Property	Inactive & Abandoned Sites	04-17-1986
	LAD980622526	Ewell Property	Inactive & Abandoned Sites	11-01-1979
	LAD985202464	Devils Swamp Ewell Property	Inactive & Abandoned Sites	04-17-1986
	WP2212	LWDPS #	LWDPS Permit #	06-25-2003
	TD-033-0008	East Baton Rouge Parish	Solid Waste	01-08-2002
	TD-033-0008	City of Baton Rouge/Dept of Public Works	Solid Waste	01-08-2002

Physical Location:

Hwy 61 & Thomas Rd
 Baton Rouge, LA 70821

Mailing Address:

PO Box 1471
 Baton Rouge, LA 708211471

Location of Front Gate:

30° 35' 52" latitude, 91° 13' 55" longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Dale Campau	PO Box 1471 Baton Rouge, LA 70821	dcampau@brgov.coi	Responsible Official for
Dale Campau	PO Box 1471 Baton Rouge, LA 70821	2253895546 (WP)	Emission Inventory Contact for
Dale Campau	PO Box 1471 Baton Rouge, LA 70821	dcampau@brgov.coi	Emission Inventory Contact for
Dale Campau	PO Box 1471 Baton Rouge, LA 70821	2253895546 (WP)	Responsible Official for
Name	Address	Phone (Type)	Relationship

Related Organizations:

Name	Address	Phone (Type)	Relationship
City of Baton Rouge - Parish of East Baton Rouge	PO Box 1471 Baton Rouge, LA 708211471	2253893186 (WP)	Operates
City of Baton Rouge - Parish of East Baton Rouge	PO Box 1471 Baton Rouge, LA 708211471	2253893186 (WP)	Emission Inventory Billing Party
City of Baton Rouge - Parish of East Baton Rouge	PO Box 1471 Baton Rouge, LA 708211471	2253893186 (WP)	Air Billing Party for
City of Baton Rouge - Parish of East Baton Rouge	PO Box 1471 Baton Rouge, LA 708211471	2253893186 (WP)	Owns

NAIC Codes:

562212, Solid Waste Landfill

General Information

AIID: 4407 EBR Parish Renewable Energy Center

Activity Number: PER20080001

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Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 4407 - EBR Parish Renewable Energy Center
 Activity Number: PER20080001
 Permit Number: 0840-00174-V3
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
EQT 0001	02 - LFG Flare					8760 hr/yr
EQT 0002	IRFG1 - LFG Refrigeration Unit				HCFC-22 (monochlorodifluoromethane)	8760 hr/yr
FUG 0001	01 - LFG Fugitives					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Entire Facility							
EQT 0001	02 - LFG Flare	91		.83		29	

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
UNF 0001	Unit or Facility Wide	Entire Facility - Entire Facility

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1525	1525 Sanitary Landfill (Planned Capacity)	8.85	MM Mg

SIC Codes:

4953	Refuse systems	AI 4407
4953	Refuse systems	UNF 001

AI ID: 4407 - EBR Parish Renewable Energy Center

Activity Number: PER20080001

Permit Number: 0840-00174-V3

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Entire Facility															
EQT 0001	6.33	12.93	27.71	1.90	3.88	8.31	1.33	2.72	5.82	0.95	1.94	4.16	0.06	0.13	0.27
FUG 0001	0.26	0.53	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	4.17	8.93

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4407 - EBR Parish Renewable Energy Center

Activity Number: PER20080001

Permit Number: 0840-00174-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 02	1,1,1-Trichloroethane	<0.001	<0.001	0.001
	1,1,2,2-Tetrachloroethane	<0.001	0.001	0.002
	1,1,2-Trichloroethane	<0.001	<0.001	<0.001
	1,1-Dichloroethane	0.001	0.001	0.002
	1,2-Dibromoethane	<0.001	<0.001	<0.001
	1,2-Dichloroethane	<0.001	<0.001	<0.001
	1,2-Dichloropropane	<0.001	<0.001	<0.001
	1,4-Dichlorobenzene	<0.001	<0.001	<0.001
	Acrylonitrile	0.001	0.001	0.003
	Ammonia	0.032	0.065	0.139
	Benzene	0.002	0.004	0.007
	Carbon disulfide	<0.001	<0.001	<0.001
	Carbon tetrachloride	<0.001	<0.001	<0.001
	Carbonyl sulfide	<0.001	<0.001	<0.001
	Chlorobenzene	<0.001	<0.001	<0.001
	Chloroethane	<0.001	<0.001	0.001
	Chloroform	<0.001	<0.001	<0.001
	Dichloromethane	0.002	0.005	0.011
	Ethyl benzene	0.001	0.002	0.004
	Hydrochloric acid	0.920	1.880	4.030
	Hydrogen sulfide	0.002	0.005	0.010
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Methyl chloride	<0.001	<0.001	0.001
	Methyl ethyl ketone	0.001	0.002	0.004
	Methyl isobutyl ketone	<0.001	0.001	0.002
	Tetrachloroethylene	0.001	0.003	0.005
	Toluene	0.030	0.061	0.132
	Trichloroethylene	0.001	0.002	0.003
	Vinyl chloride	0.001	0.002	0.004
	Vinylidene chloride	<0.001	<0.001	<0.001
	Xylene (mixed isomers)	0.003	0.005	0.011
	n-Hexane	0.001	0.002	0.005
FUG 0001 01	1,1,1-Trichloroethane	0.004	0.009	0.018

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4407 - EBR Parish Renewable Energy Center

Activity Number: PER20080001

Permit Number: 0840-00174-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0001 01	1,1,2,2-Tetrachloroethane	0.012	0.025	0.054
	1,1,2-Trichloroethane	0.001	0.002	0.004
	1,1-Dichloroethane	0.015	0.031	0.067
	1,2-Dibromoethane	<0.001	<0.001	<0.001
	1,2-Dichloroethane	0.003	0.006	0.012
	1,2-Dichloropropane	0.001	0.003	0.006
	1,4-Dichlorobenzene	0.002	0.004	0.009
	Acrylonitrile	0.022	0.045	0.097
	Ammonia	1.060	2.160	4.630
	Benzene	0.057	0.120	0.250
	Carbon disulfide	0.003	0.006	0.013
	Carbon tetrachloride	<0.001	<0.001	<0.001
	Carbonyl sulfide	0.002	0.004	0.008
	Chlorobenzene	0.002	0.004	0.008
	Chloroethane	0.005	0.011	0.023
	Chloroform	<0.001	0.001	0.001
	Dichloromethane	0.080	0.163	0.350
	Ethyl benzene	0.032	0.066	0.141
	Hydrochloric acid	<0.001	<0.001	<0.001
	Hydrogen sulfide	0.080	0.163	0.350
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Methyl chloride	0.004	0.008	0.018
	Methyl ethyl ketone	0.034	0.069	0.147
	Methyl isobutyl ketone	0.012	0.025	0.054
	Tetrachloroethylene	0.041	0.083	0.178
	Toluene	1.000	2.050	4.380
	Trichloroethylene	0.024	0.050	0.110
	Vinyl chloride	0.030	0.062	0.132
	Vinylidene chloride	0.001	0.003	0.006
	Xylene (mixed isomers)	0.085	0.173	0.370
	n-Hexane	0.037	0.076	0.163

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 4407 - EBR Parish Renewable Energy Center

Activity Number: PER20080001

Permit Number: 0840-00174-V3

Air - Title V Regular Permit Renewal

EQT 0001 02 - LFG Flare

- 1 [40 CFR 60.18.c.1] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 2 [40 CFR 60.18.c.2] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 3 [40 CFR 60.18.c.3.(i)(A)] Diameter ≥ 3 in, nonassisted, hydrogen content 8.0 percent (by volume) or greater, and designed for and operated with an exit velocity less than 122 ft/sec (37.2 m/sec) and less than the velocity, V_{max} , as determined by the specified equation. Subpart A. [40 CFR 60.18(c)(3)(i)(A)]
- 4 [40 CFR 60.18.c.3.(i)(B)] Which Months: All Year Statistical Basis: None specified
- 5 [40 CFR 60.18.d] Determine the actual exit velocity by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(3)(i)(B)]
- 6 [40 CFR 60.18.e] Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 7 [40 CFR 60.18.f.2] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 8 [40 CFR 60.33.c.2] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- 9 [40 CFR 60.752.b.2.(iii)(A)] Which Months: All Year Statistical Basis: None specified
- 10 [40 CFR 60.752.b.2.(iii)(B)] The flare control system shall be designed and operated to reduce NMOC by 98 weight percent. [40 CFR 60.33(c)(2)]
- 11 [40 CFR 60.753.f] Ensure flare is designed and operated in accordance with 40 CFR 60.18. Subpart WWWW. [40 CFR 60.752(b)(2)(iii)(A)]
- 12 [40 CFR 60.756.c.1] Nonmethane Organic compounds ≥ 98 % reduction by weight. Subpart WWWW. [40 CFR 60.752(b)(2)(iii)(B)]
- 13 [40 CFR 60.756.c.2.(i)] Which Months: All Year Statistical Basis: None specified
- 14 [40 CFR 60.757.e] Operate at all times when the collected gas is routed to the system. Subpart WWWW. [40 CFR 60.753(f)]
- 15 [40 CFR 60.758] Presence of a flame monitored by heat sensing device continuously. Subpart WWWW. [40 CFR 60.756(c)(1)]
- 16 [40 CFR 63.1955] Which Months: All Year Statistical Basis: None specified
- 17 [40 CFR 63.1960] Flow monitored by flow rate monitoring device once every 15 minutes. Monitor the flow to the control device. Subpart WWWW. [40 CFR 60.756(c)(2)(i)]
- 18 [40 CFR 60.757.e] Which Months: All Year Statistical Basis: None specified
- 19 [40 CFR 60.758] Submit equipment removal report: Due 30 days prior to removal or cessation of operation of the control equipment. Include the information specified in 40 CFR 60.757(e)(1)(i) through (e)(1)(iii). Subpart WWWW. [40 CFR 60.757(e)]
- 20 [40 CFR 63.1955] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 60.758(a) through (f), as applicable. Subpart WWWW.
- 21 [40 CFR 63.1960] The facility shall comply with all applicable provisions of 40 CFR 63 Subpart AAAAA by complying with operating, monitoring, recordkeeping, and reporting requirements required by 40 CFR 60.752, 60.756, 60.757, and 60.758.
- 22 [40 CFR 63.1960] As specified in 40 CFR 60.756(c)(1), the flare shall be operated with a flame present at all times, as determined by using a thermocouple, ultraviolet beam, or other equivalent device at the pilot light or the flame itself to detect the presence of a flame. Presence of a flame monitored by flame monitor continuously.
- 23 [40 CFR 63.1960] Which Months: All Year Statistical Basis: Not applicable

SPECIFIC REQUIREMENTS

AIID: 4407 - EBR Parish Renewable Energy Center

Activity Number: PER20080001

Permit Number: 0840-00174-V3

Air - Title V Regular Permit Renewal

EQT 0001 02 - LFG Flare

18 [40 CFR 63.1960]

Option 2: As specified in 40 CFR 60.756(c)(2)(ii), an alternate to a flow monitoring device for the flare will be to secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the car seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. Flow monitored by visual inspection/determination monthly.

Which Months: All Year Statistical Basis: Instantaneous determination

19 [40 CFR 63.1960]

The owner or operator of the landfill will ensure that the landfill gas collection and control standards specified in 40 CFR 60.753 are met.

20 [40 CFR 63.1960]

Option 1: As specified in 40 CFR 60.756 (c)(2)(i), install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes. Flow monitored by flow indicator once every 15 minutes.

Which Months: All Year Statistical Basis: Value

21 [40 CFR 63.1960]

As described in 40 CFR 60.758, the owner or operator will keep up-to-date, readily accessible records for a minimum of 5 years for: 1. Flare type (i.e., steam-assisted, air-assisted, or non-assisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations. 2. Continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent Equipment/operational data recordkeeping by electronic or hard copy daily.

22 [40 CFR 63.1965 a)-(c)]

The landfill owner or operator will report on a timely basis any deviations in the control device operating parameters as described in 40 CFR 63.1965. [40 CFR 63.1965(a)-(c)]

23 [LAC 33:III.1103]

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

24 [LAC 33:III.1105]

Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

25 [LAC 33:III.2115.J.2]

The owner/operator shall install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices.

26 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0002 RFG1 - LFG Refrigeration Unit

27 [40 CFR 82.156.i.2]

Equipment/operational data: Leaks exceeding the allowable rates for industrial process chillers specified in 40 CFR 82.156(i)(2) must be corrected within 30 days (or within 120 days if an industrial process shutdown is required). [40 CFR 82.156(i)(2)]

28 [40 CFR 82.162]

The contracted service provider for all chiller maintenance and repair is required to submit a statement to EPA certifying that refrigerant recovery equipment will be used, as set forth in 40 CFR 82.162.

29 [40 CFR 82.166.k]

The owner or operator of regulated refrigerant appliances containing more than 50 pounds of refrigerant must keep up-to-date records for the types of service performed and the amounts of refrigerant added during the servicing, and the amounts of refrigerant purchased. Monitoring data recordkeeping by the regulation's specified method(s) at the regulation's specified frequency. [40 CFR 82.166(k)]

SPECIFIC REQUIREMENTS

AI ID: 4407 - EBR Parish Renewable Energy Center

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Air - Title V Regular Permit Renewal

EQT 0002 RFG1 - LFG Refrigeration Unit

- 30 [40 CFR 82.166] Leak rate from refrigeration equipment shall not exceed an annual loss of 35% of total charge. Equipment/operational data \leq 228 lb/yr Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if identified leak rate exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 31 [40 CFR 82.166] Which Months: All Year Statistical Basis: Annual total
Keep records of the total refrigerant loss, if any, each month, as well as the total refrigerant lost/replaced for the last twelve months. Make records available for inspection by DEQ personnel. Equipment/operational data recordkeeping by electronic or hard copy monthly.
- 32 [40 CFR 82.F] All technicians who maintain, service, repair, or dispose of regulated appliances must be certified as set forth in 40 CFR 82.161. The service contractor providing these services is required to maintain records of proof of technician certification and is also required to have refrigerant recovery and recycling equipment certified as set forth in 40 CFR 82.158, and maintain records of personnel and equipment certification.
- 33 [40 CFR 82.Subpart F] Personnel information recordkeeping by the regulation's specified method(s) at the regulation's specified frequency.
- 34 [LAC 33:III.501.C.6] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- Submit report: due annually, by the 31st of March. Report the total refrigerant losses for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

FUG 0001 01 - LFG Fugitives

- 35 [40 CFR 63.1955] Facility shall comply with all applicable provisions of 40 CFR 63 Subpart AAAA by complying with operating, monitoring, recordkeeping, and reporting requirements required by 40 CFR 60.752, 60.756, 60.757, and 60.758.
- 36 [40 CFR 63.1955] Operate landfill gas collection system at negative pressure at each wellhead as specified in 40 CFR 60.753 (b).
- 37 [40 CFR 63.1960] The landfill owner or operator will determine and report the NMOC emission rate as specified in 40 CFR 60.754.
- 38 [40 CFR 63.1960] Operate landfill gas collection system so that the methane concentration is less than 500 ppmv above the background concentration at the surface of the landfill as specified in 40 CFR 60.753.
- 39 [40 CFR 63.1960] The owner or operator of the landfill will verify the surface methane concentration using the methods described in 40 CFR 60.755(c)(1)-(5).
- 40 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

UNF 0001 Entire Facility - Entire Facility

- 41 [40 CFR 60.33c-35c] Shall comply with all applicable requirements specified in 40 CFR 60.33c to 35c and 40 CFR 60.753 to 758.
- 42 [40 CFR 60.752.b.1.(ii)] Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR 60.754(a)(1) until such time as the calculated NMOC emission rate is \geq 50 Mg/yr, or the landfill is closed. If the recalculated emission rate is \geq 50 Mg/yr, install a collection and control system in compliance with 40 CFR 60.752(b)(2) within 30 months after the first annual report in which the emission rate equals or exceeds 50 Mg/yr.
- Subpart WWW. [40 CFR 60.752(b)(1)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 4407 - EBR Parish Renewable Energy Center

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43	[40 CFR 60.757(b)(1)]	Submit NMOC emission rate report: Due initially and annually thereafter, except as provided for in 40 CFR 60.757(b)(1)(ii) or (b)(3). Include an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in 40 CFR 60.754(a) or (b), as applicable, and all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. Subpart W.W.W. [40 CFR 60.757(b)(1)]
44	[40 CFR 60.757(d)]	Submit closure report: Due within 30 days of waste acceptance cessation. Do not place additional wastes into the landfill after submitting a closure report without filing a notification of modification as described under 40 CFR 60.7(a)(4). Subpart W.W.W. [40 CFR 60.757(d)]
45	[40 CFR 60]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
46	[40 CFR 61.151]	Shall comply with the standard for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations.
47	[40 CFR 61]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
48	[40 CFR 63.1930, 1935]	Shall comply with 40 CFR 63 Subpart AAAA by complying with 40 CFR 60, Subpart Cc and 40 CFR 60, Subpart W.W.W.
49	[40 CFR 63.1955]	The owner or operator will develop a startup, shutdown, and malfunction (SSM) plan as specified in 40 CFR 63.6(e)(3). The plan and records of SSM activities will be made available to DEQ personnel upon request.
50	[40 CFR 63]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
51	[40 CFR 70]	Shall comply with all applicable provisions of 40 CFR 70.
52	[LAC 33:III.2113 A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
53	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
54	[LAC 33:III.2901 D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901 G are prohibited.
55	[LAC 33:III.2901 F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901 G.
56	[LAC 33:III.5151 K]	Shall comply with the standard for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations.
57	[LAC 33:III.919 E]	Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.